TOSHIBA

DVD VIDEO RECORDER

D-R4SU
D-R4SC
D-KR4SU

OWNER'S MANUAL

INSTALLATION GUIDE

Read this booklet first.

Introduction

Connections

Basic Setup

P000416400
Ⓗ PM0020460011

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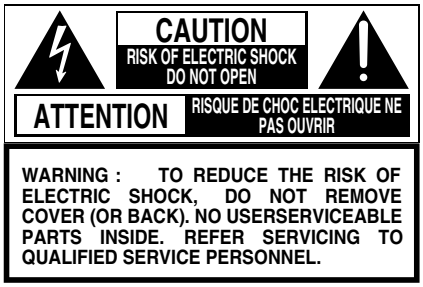
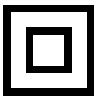
SAFETY PRECAUTIONS


CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN
ATTENTION
RISQUE DE CHOC ELECTRIQUE NE
PAS OUVRIR
WARNING : TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USERSERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.



The symbol for CLASS II (Double Insulation)

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE. DANGEROUS HIGH VOLTAGES ARE PRESENT INSIDE THE ENCLOSURE. DO NOT OPEN THE CABINET. REFER SERVICING TO QUALIFIED PERSONNEL ONLY.

CAUTION: TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.

ATTENTION: POUR EVITER LES CHOCS ELECTRIQUES, INTRODUIRE LA LAME LA PLUS LARGE DE LA FICHE DANS LA BORNE CORRESPONDANTE DE LA PRISE ET POUSSER JUSQU’AU FOND.

CAUTION: This DVD video recorder employs a Laser System.
To ensure proper use of this product, please read this owner’s manual carefully and retain for future reference. Should the unit require maintenance, contact an authorized service location - see service procedure.

Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

To prevent direct exposure to laser beam, do not try to open the enclosure.
Visible and invisible laser radiation when open and interlocks defeated.
DO NOT STARE INTO BEAM.

FCC NOTICE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rule. These limits are designed to provide reasonable protection against harmful interference in a residential installation.
This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.
However, there is no guarantee that interference will not occur in a particular installation.
If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

WARNING: Changes or modifications made to this equipment, not expressly approved by Toshiba, or parties authorized by Toshiba, could void the user’s authority to operate the equipment.

Note to cable system installer:
This reminder is provided to call the cable system installer's attention to Article 820-40 of the NEC that provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical.

The instructions shall state that an ALL-POLE MAINS SWITCH with a contact separation of at least 3 mm in each pole shall be incorporated in the electrical installation of the building.

CAUTION: These servicing instructions are for use by qualified service personnel only. To reduce the risk of electric shock do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.

In the spaces provided below, record the Model and Serial No. located on the rear panel of your recorder.

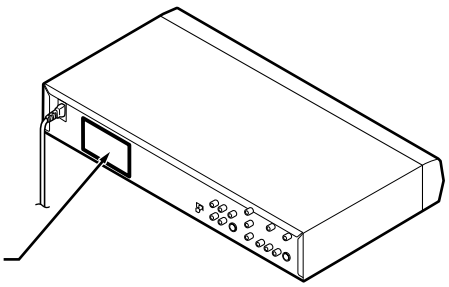
Model No. _____ Serial No. _____

Retain this information for future reference.

Location of the required label

PRODUCT IS CERTIFIED BY THE MANUFACTURER TO COMPLY WITH DHHS RULE 21 CFR SUBCHAPTER J IN EFFECT AT DATE OF MANUFACTURE.

TOSHIBA CORPORATION
1-1,SHIBAURA 1-CHOME,MINATO-KU,
TOKYO 105-8001,JAPAN



IMPORTANT SAFETY INSTRUCTIONS

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

ADDITIONAL SAFETY INSTRUCTIONS

15. Do not overload wall outlets; extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.

16. Apparatus should not be exposed to dripping or splashing and no objects filled with liquids, such as vases, should not be placed on the apparatus.

17. Keep fingers well clear of the disc tray as it is closing. Neglecting to do so may cause serious personal injury.

18. Do not place anything on top of this apparatus.

19. Do not place the apparatus on amplifiers or equipment that may produce heat.

20. Do not cover the ventilating holes.

21. Do not use a cracked, deformed, or repaired disc. These discs are easily broken and may cause serious personal injury and apparatus malfunction.

22. If the apparatus should smoke or smell, immediately disconnect the power cord from the wall outlet. Wait until the smoke or smell stops, then ask your dealer for a check and repair. Neglecting to do so may cause fire.

23. During thunderstorms, do not touch the connecting cables or the apparatus.

24. The apparatus includes lead, an ingredient of solder used on the PCB, which is a harmful substance to human and the environment. When disposing of this apparatus, follow the rules and regulations in your area.

Precautions

Notes on handling

- Never disconnect the power cord from a wall outlet while the recorder is turned on, unless it is in an emergency. Doing so may cause malfunction.
- When shipping the recorder, the original shipping carton and packing materials come in handy. For maximum protection, repack the unit as it was originally packed at the factory.
- Do not use volatile liquids, such as insect spray, near the recorder. Do not leave rubber or plastic products in contact with the recorder for a long time. They will leave marks on the finish.
- The top and rear panels of the recorder may become warm after a long period of use. This is not a malfunction.

When not in use

- For usual absence
  Be sure to remove the disc from the recorder and turn off the power.
- Prolonged absence
  Unplug the recorder from a wall outlet.

Notes on locating

- Place the recorder on a level surface. Do not use it on a shaky or unstable surface such as a wobbly table or inclined stand. The loaded disc may dislodge from its proper position and cause damage to the recorder. Before placing the recorder, make sure that the surface can stand the weight of the recorder. Never place the recorder in a high location to avoid damage to the product or person by an accidental fall of the recorder.
- When you place this recorder near a TV, radio, or VCR, the playback picture may become poor and the sound may be distorted depending on the condition and location of said equipment. In such an event, place the recorder as far away much as possible from the TV, radio, or VCR.
- To avoid damage to this product, never place or store the unit in direct sunlight, hot, humid areas; or areas subject to excessive dust, oily smoke, cigarette smoke or vibration.

Notes on cleaning

Use a soft, dry cloth for cleaning.

- Unplug the recorder before cleaning.
- Do not use any type of solvent, such as thinner or benzine, as they may damage the surface of the recorder.

Notes on antennas

- Image and sound quality depend very much on signal reception.
- Reception may be poor in weak signal areas. In this event, consult your dealer, or purchase a commercially available antenna booster. Refer to the booster's instruction manual for installation details.

Notes on recording and editing

- When you record/edit important content, make trial operations beforehand to confirm the recorder can function properly.
  Toshiba does not compensate for content which was not recorded/edited because of some malfunction of this product or discs during operation, and is not liable for incidental damages (such as profit loss or interruption of business, etc.) produced in such conditions.
- When the power cord is disconnected or when a power failure occurs during any operation of this product, all contents recorded on a disc may be erased. A DVD-R disc may become unavailable.
- Depending on the channel or program, an excessive sound input level may cause noise or cut of recorded sound. Adjust the initial setting of the recording level when necessary.
- If a program you have set a timer recording includes copy restriction signals, it may not be recorded. When programming a recording, confirm that a program you want to record is not copy-restricted.

Exemptions

- Toshiba is not liable for any damage caused by fires, natural disaster (such as thunder, earthquake, etc.), acts by third parties, accidents, owner's intentional or unintentional misuse, or uses in other improper conditions.
- Toshiba is not liable for incidental damages (such as profit loss or interruption in business, modification or erasure of recorded data, etc.) caused by use or inability to use of this product.
- Toshiba is not liable for any damage caused by neglect of the instructions described in the owner's manual.
- Toshiba is not liable for any damage caused by misuse or malfunction through simultaneous use of this product and the connected equipment or software that Toshiba is not concerned with.
- Toshiba does not compensate for contents which were not recorded/edited because of some malfunctions of this product or discs during operation, and is not liable for incidental damages (such as profit loss or interruption in business, etc.) produced by such conditions.

Power Outage

- After a power outage the clock display will flash. Set the clock to the correct time.

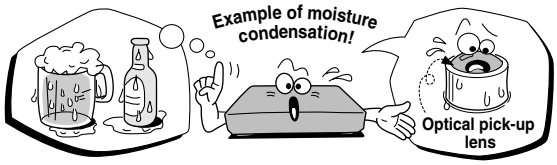
Notes on the unit

- Do not give a shock or shake (especially during operation).
- Do not use in a place where the temperature rises or changes rapidly.
- Toshiba is not liable for any damage or loss of recorded data caused by shock, shakes, misoperation or malfunction.

Notes on moisture condensation

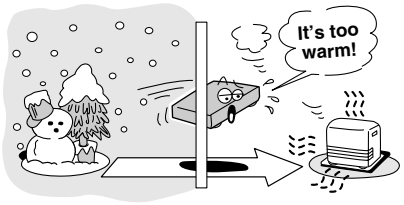
Moisture condensation damages the unit. Please read the following carefully.

Moisture condensation occurs, for example, when you pour a cold drink into a glass on a warm day. Drops of water form on the outside of the glass. In the same way, moisture may condense on the optical pick-up lens inside this unit, one of the most crucial internal parts of the unit.



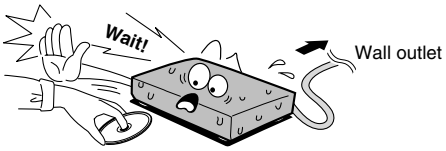
■ Moisture condensation occurs during the following cases.

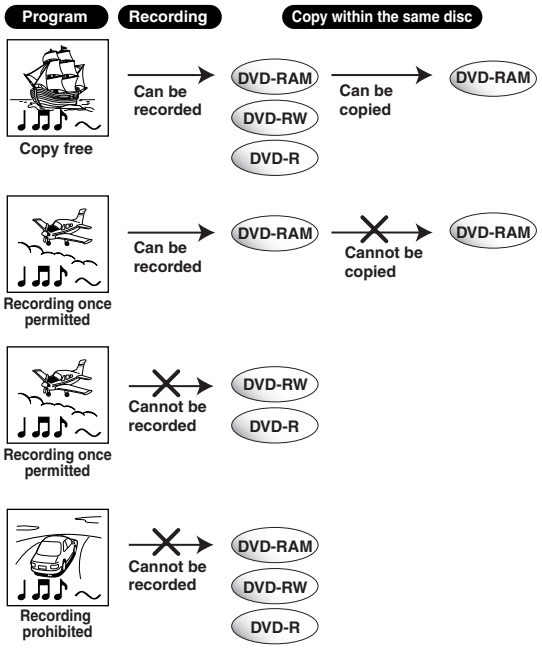
- When you bring the unit directly from a cold place to a warm place.
- When you use the unit in a room where you just turned on the heater, or a place where the cold wind from the air conditioner directly hits the unit.
- In summer, when you use the unit in a hot and humid place just after you move the unit from an air conditioned room.
- When you use the unit in a humid place.



■ Do not use the unit when moisture condensation may occur.

If you use the unit in such a situation, it may damage discs and internal parts. Connect the power cord of the unit to the wall outlet, turn on the unit, remove the disc and leave it for two or three hours. After two or three hours, the unit will have warmed up and evaporated any moisture. Keep the unit connected to the wall outlet and moisture condensation will seldom occur.





- Regardless of program content, copies cannot be made within the same DVD-RW disc or DVD-R disc.

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Installation procedure

Read carefully “SAFETY PRECAUTIONS”, “IMPORTANT SAFETY INSTRUCTIONS” and “Precautions”.
(⇨ pages 2 to 9)

Check the supplied accessories.
(See right)

Load the batteries in the remote control.
(⇨ page 18)

Connect an antenna to the recorder.
(⇨ page 20)
Connect a cable box or satellite system to the recorder.
(⇨ pages 22 to 24)

Connect the recorder to a TV.
(⇨ pages 20 to 21, 25)

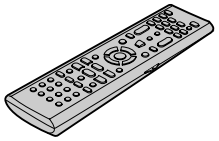
Connect optional equipment to the recorder.
(⇨ page 26)

Make the initial settings.
(⇨ page 30)

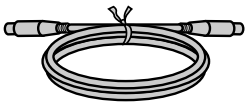
Your recorder is ready. Read the separate volume “OPERATIONS GUIDE”.

Accessories

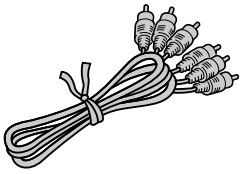
Remote control
Batteries (AAA) x 2



Coaxial cable



Video/audio cable



- **Owner's manual (INSTALLATION GUIDE)**
- **Owner's manual (OPERATIONS GUIDE)**

About this product

Some differences

Because of its recording capacity, this DVD recorder operates more like a computer and differently than a standard DVD player. In addition to containing a microprocessor, it contains an operating system, random access memory (RAM), and a DVD-RAM/R/RW drive. The operating system includes software that is transferred to the RAM when the machine is turned on and at other times during operation. This transfer can take time. Therefore, when you turn the DVD recorder on, it may take a little while before it is ready to use. Likewise, other functions may not be performed as quickly as they would on other AV equipment. Additionally, accessing those programs (or deleting a program from a DVD-RAM or DVD-RW disc) may take more time. Please take these factors into consideration as you use the DVD recorder.

Playback Restrictions

This owner's manual explains the basic instructions for this recorder. Some DVD video discs are produced in a manner that allows specific or limited operation during playback. As such, the recorder may not respond to all operating commands. This is not a defect in the recorder. Please refer to the notes on compatible discs later in this Introduction and to the discussion of DVD playback and features later in this manual.

"⃠" may appear on the TV screen during operation.
"⃠" means that the operation is not permitted by the recorder or the disc.

Recording Restrictions and Copyright

Copy-protected contents of DVD-Video discs, VIDEO CDs or audio CDs on the market cannot be copied on this recorder. Contents without copy protection should be copied or edited only in accordance with applicable copyright laws, which may restrict copying or editing. Contents that permit single copying (copy once contents) can be recorded onto DVD-RAM discs, with some dubbing and editing restrictions. DVD-R/RW discs cannot record these contents.
The unauthorized recording, use, distribution, or revision of copyrighted materials including, without limitation, television programs, videotapes, and DVDs, is prohibited under the Copyright Laws of the United States and other countries, and may subject you to civil and criminal liability.

Compatibility

In isolated cases, a disc bearing the DVD or CD logo may not fully and properly play back all features or as intended by the creator of the disc. This can be due, among other reasons, to problems and errors that can occur during the creation or recording of DVD and other software and the manufacture of software discs (including blank discs). Moreover, because of variations in the quality of discs, this recorder may not be able to record on all discs that bear a DVD-RAM, DVD-R or DVD-RW logo, but you should not encounter difficulty if you use only high quality recordable DVD discs. Additionally, discs recorded in this device may not operate properly in other DVD players, recorders and/or personal computer drives. If you happen to encounter difficulties playing or recording a DVD disc or playing a CD disc, please feel free to call our Customer Service Hotline at 1-800-319-6684.

Choosing a disc

There are many types and formats of discs. Please use the following information to select an appropriate disc.

Notes
- Handle the disc according to the disc instruction manual.
- Toshiba cannot guarantee that all discs bearing the DVD or CD logos will operate as expected. Additionally, Toshiba cannot guarantee that discs recorded in this device will operate properly in other DVD players.

For recording / playback

Disc	Mark	Specification	Remarks
DVD-RAM		• Single sided 4.7GB (12cm (4 3/4 in.)) • Double sided 9.4GB (12cm (4 3/4 in.))	Read carefully the section “On DVD-RAM discs” (page 14). Select a DVD-RAM disc that shows a statement on its package such as “this disc can be used with video recorders and drives compatible with 4.7GB DVD-RAM discs” or “this disc can copy images that permit single copying.”
DVD-R		• 4.7GB For General Ver.2.0 (12cm (4 3/4 in.))	Read carefully the section “On DVD-R discs” (page 15). Depending on the disc status or the recording equipment, playback of the disc may not be possible on this recorder.
DVD-RW		• Ver. 1.1 or later (12cm (4 3/4 in.))	Read carefully the section “On DVD-RW discs” (page 15). Depending on the disc status or the recording equipment, playback of the disc may not be possible on this recorder.

Using different disc types for different purposes

DVD-RAM discs for your personal library
DVD-RAM discs comply with the global standard DVD-VR (Video Recording) format, and are optimized for recording of TV programs. You can rewrite repeatedly without deterioration of an image quality, erase unnecessary parts, divide a chapter, or specify playback area by frame. Its cartridge is suitable for a longer-term storage and family use, and its large capacity of 9.4 GB allows more recording space.

DVD-R discs when creating your own original discs for distribution
DVD-R discs are designed to comply with the global standard DVD-Video format, and can be recorded only once. DVD-R discs are convenient when you edit your original content (recorded personal events such as a wedding party) with this recorder, transfer them to the recorder and make copies to send to your friends or relatives. The discs can be played on other compatible DVD players. DVD-RW discs, which are rewriteable, can be used as well.

* DVD-R and DVD-RW may not be the best suited format for recording TV programs. Because of the way the discs are formatted, it may not be possible to edit or divide the program as you may prefer, to record secondary languages, or programs that are copy protected in a way that allows only one copy. (NOTE: “Copy once” protected programs generally can be recorded to DVD-RAM discs.)
* This recorder records on a DVD-R/RW disc in DVD-Video format only. In DVD-VR format, recording is not possible.

We cannot guarantee that DVD-RAM/R/RW discs recorded on this recorder will be playable on all DVD recorders/players. Similarly, there is no guarantee that all DVD-RAM/R/RW discs recorded on other recorders will be playable on this recorder.

For playback only

Disc	Mark	Specification	Remarks
DVD video disc		• 12cm (4 3/4 in.) • Region number • Color system: NTSC	The region number of this DVD recorder is 1. If region numbers, corresponding to a specific playable area, are printed on your DVD video disc and you do not find or , or the disc is encoded to permit playback only in regions other than Region 1, disc playback will not be allowed by the recorder.
VIDEO CD		• 12cm (4 3/4 in.) • Color system: NTSC • Version 1.1 and 2.0	
Audio CD		• 12cm (4 3/4 in.)	
CD-R **CD-RW**		• 12cm (4 3/4 in.) • CD-DA (audio CD) format	Depending on the disc status, playback may not be possible.

- You cannot play discs other than those listed above.
- You cannot play non-standardized discs even if they may be labeled as above.
- You cannot play discs with specialized encoding (such as SACD discs) or the DVD audio portions of DVD Audio discs.
- This recorder uses the NTSC color system, and cannot play DVD video discs recorded in any other color system (PAL, SECAM, etc.), even if they have region marks or .
- Toshiba cannot guarantee that all discs bearing the DVD or CD logos will operate as expected. Please see the discussion of compatibility on page 11.

- Toshiba is not liable for any damage or loss caused directly or indirectly by the malfunction of this recorder, including, without limitation, any one of the following:
  - Failure to record contents intended to be recorded by the consumer.
  - Failure to edit contents as intended by the consumer.
  - When a DVD-RAM/R/RW disc created on this recorder is used (e.g., insertion, playback, recording or editing) in another DVD player, recorder or personal computer drive.
  - When a DVD-RAM/R/RW disc that is used in the manner described in the immediately preceding bullet point is used again in this recorder.
  - When a DVD-RAM/R/RW disc that was recorded in another DVD recorder, or in a personal computer drive is used in this recorder.
- Discs recorded in this recorder may not operate as expected on other DVD players, recorders or personal computer drives.

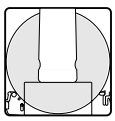
On DVD-RAM discs

■ Use only DVD-RAM discs that comply with DVD-RAM standard Version 2.0, 2.1 or 2.2.

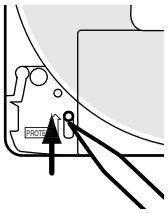
The recorder cannot record on a disc formatted in any other standard. When using such a disc, initialize it by using the disc-format function of this recorder.

- The recorder may not record, dub, or edit some DVD-RAM discs, because they are edited/recorded with another manufacturer's equipment or PC, contain a large number of titles, or have little remaining capacity. Also, a DVD-RAM disc may not be edited or recorded if its title contains still pictures.
- DVD-RAM discs formatted in UDF2.0 on a PC are not compatible with this recorder. Before using these discs, initialize them on this recorder.
- This recorder complies with current copyright protection technology and can copy a disc only when the disc permits copying once. When there is no indication on the disc, copying will not be allowed.

■ DVD-RAM discs with cartridges are recommended for recording.

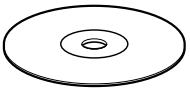


- Two types of DVD-RAM discs are available: ones with cartridges and ones without cartridges. You can use either of them with this recorder, but the former ones are recommended.
- In order to record highly detailed data, make sure the disc is clean. DVD-RAM discs with cartridges are easier to handle in this regard.
- Do not open the cartridge shutter. The disc may not play, or may not be recorded or edited once it becomes dirty.
- There are two types of DVD-RAM cartridges; removable (TYPE 2/4) and not removable (TYPE 1). It is recommended you do not remove the disc even when you can.
  Refer to the instruction manual that comes with the disc if it is absolutely necessary to remove the disc.
- Some commercially available cartridge discs cannot be recorded or edited once the inside discs are removed.



- **To protect recorded contents**
  Slide the write-protect tab to "PROTECT" with something small enough. The disc can play, but cannot be edited or erased. Refer to the instructions that come with the disc.

■ When using a disc without a cartridge (commercially available discs)



- Discs without cartridges can easily attract fingerprints and dust, which is the reason they are not recommended. If you cannot avoid using them, handle with proper care.
- When you write in a title column on a disc, use a pen with a soft tip. Do not use a pen with a hard tip, such as a ballpoint pen.

Recommended discs

The following discs have been tested with this recorder:
9.4 GB double-sided cartridge: Panasonic 2X, 3X
4.7 GB single-sided cartridge: Panasonic 2X, 3X

On DVD-R discs

■ Standards

- DVD-R for General Ver.2.0 discs can be used for recording and playback.
- Discs compatible with 2X speed recording (labeled Ver.2.1/2X etc.) and discs compatible with 4X speed recording (labeled Ver.2.1/4X etc.) can also be used.
- Select discs labeled “for video,” “for recording,” “120 min.” etc.
- DVD-R for authoring Ver.1.1 cannot be used.

■ Recording conditions

- Images for which copying is prohibited or restricted (copy once or copy prohibited) cannot be recorded. Even if the disc is labeled as CPRM compatible, this recorder can only be used to record copy-free material.

■ Recommended disc

That’s (Taiyo-Yuden) 4X
maxell 4X
TDK 4X

On DVD-RW discs

■ Standards

- Discs labeled DVD-RW Ver.1.1 or 1.2 can be used.
- Discs compatible with 2X speed recording (labeled Ver.1.1/2X etc,) can also be used.
- Select discs labeled “for video,” “for recording,” “120 min.” etc.

■ Recording conditions

- Images for which copying is prohibited or restricted (copy once or copy prohibited) cannot be recorded. Even if the disc is labeled as CPRM compatible, this recorder can only be used to record copy-free material.
- DVD-VR mode recording is not possible.

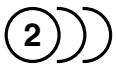
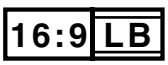
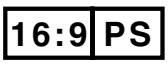
■ Recommended discs*

JVC 2X

* Operation has been confirmed with recommended discs and tested disc, but some other discs may not be usable.

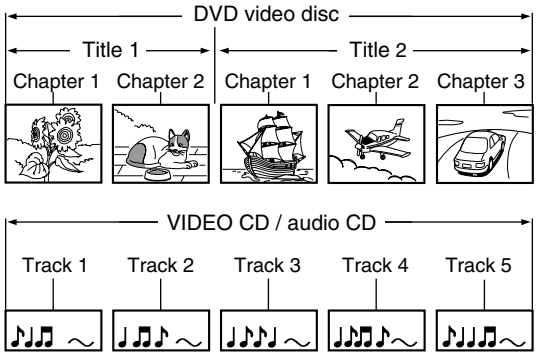
Marks on DVD video discs

The following are examples of marks and the meanings.

Mark	Meanings
	Number of audio streams recorded in the disc. (2 streams such as English and Japanese in this example.)
	Number of subtitle languages recorded in the disc. (2 subtitle languages are recorded in this example.)
	Number of camera angles recorded in the disc. (3 camera angles are recorded in this example.)
	Pictures are recorded in the standard picture shape (4:3 aspect ratio).
	Pictures are recorded in the letter box picture shape (4:3 aspect ratio with horizontal black bars in the top and bottom of pictures).
	Pictures are recorded in the 16:9 wide picture shape. TVs with 4:3 aspect ratio will display them in the letter box style.
	Pictures are recorded in the 16:9 wide picture shape. TVs with 4:3 aspect ratio will display them in the pan scan style (one or both sides of pictures are cut).
	Actual picture shape may vary depending on the aspect ratio or mode selection of the TV.

Structure of disc contents

Normally, DVD video discs are divided into titles, and the titles are subdivided into chapters.
VIDEO CDs/audio CDs are divided into tracks.



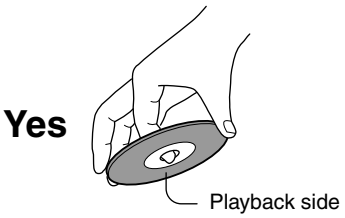
Title: Divided contents of a DVD video disc. Roughly corresponds to a story title in short stories.
Chapter: Divided contents of a title. This corresponds to a chapter in a story.
Track: Divided contents of a VIDEO CD or an audio CD.

Each title, chapter, or track is assigned a number, which is called “title number”, “chapter number”, or “track number” respectively.
Some discs may not have these numbers.

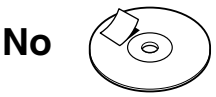
When you record on a DVD-RAM/R/RW disc, one recording will always equal one title.

On handling discs

- Do not touch the playback side of the disc.

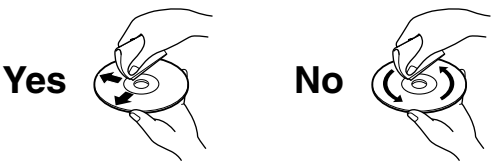


- Do not stick paper or tape to discs.



On cleaning discs

- Fingerprints and dust on the disc cause picture and sound deterioration. Wipe the disc from the center outwards with a soft cloth. Always keep the disc clean.



- Do not use any type of solvent such as thinner, benzine, commercially available cleaners or antistatic spray for vinyl LPs. It may damage the disc.

On storing discs

- Do not store discs in a place subject to direct sunlight or near heat sources.
- Do not store discs in places subject to moisture and dust such as a bathroom or near a humidifier.
- Store discs vertically in a case. Stacking or placing objects on discs outside of their case may cause warping.

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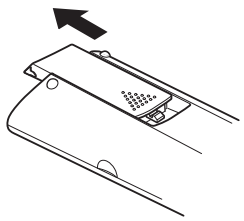
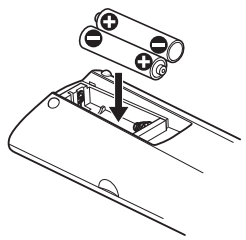
Preparation of the remote control

1 Open the cover.

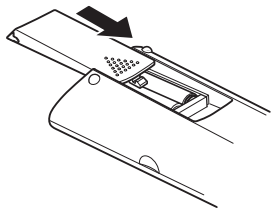


2 Insert batteries (AAA size).



Make sure to match the + and – on the batteries to the marks inside the battery compartment.

3 Close the cover.



Caution

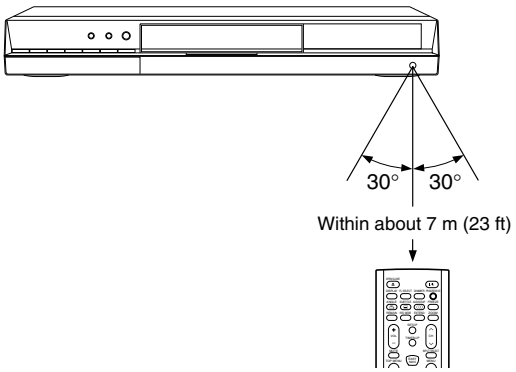
- Never throw batteries into a fire.

Notes

- Be sure to use AAA size batteries.
- Dispose of batteries in a designated disposal area.
- Batteries should always be disposed of with the environment in mind. Always dispose of batteries in accordance with applicable laws and regulations.
- If the remote control does not operate correctly, or if the operating range becomes reduced, replace batteries with new ones.
- When necessary to replace batteries in the remote control, always replace both batteries with new ones. Never mix battery types or use new and used batteries in combination.
- Always remove batteries from remote control if they are dead or if the remote control is not to be used for an extended period of time. This will prevent battery acid from leaking into the battery compartment.

■ Operating with the remote control

Point the remote control at the remote sensor and press the buttons.



Distance : About 7 m (23 ft) from the front of the remote sensor

Angle : About 30° in each direction of the front of the remote sensor

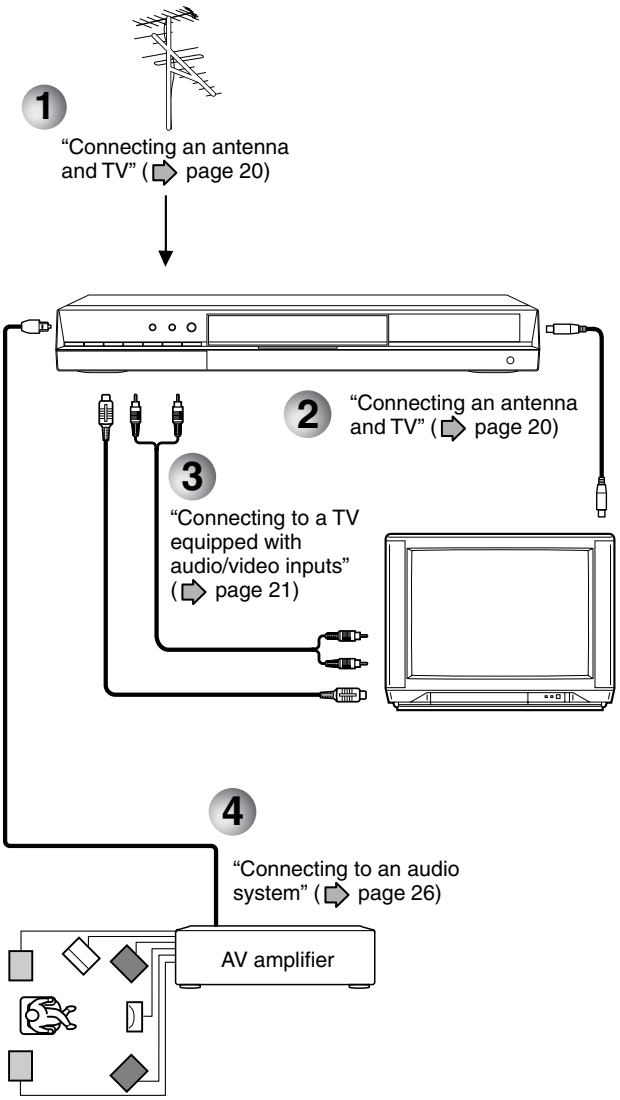
* Do not expose the remote sensor of the recorder to a strong light source such as direct sunlight or other illumination. If you do so, you may not be able to operate the recorder via the remote control.

Notes

- Do not drop or give the remote control a shock.
- Do not leave the remote control near an extremely hot or humid place.
- Do not spill water or put anything wet on the remote control.
- Do not disassemble the remote control.

CAUTION: RISK OF EQUIPMENT DAMAGE!
Never plug in any power cords until you have finished connecting all equipment

Connection procedure


1
"Connecting an antenna and TV" (page 20)
2
"Connecting an antenna and TV" (page 20)
3
"Connecting to a TV equipped with audio/video inputs" (page 21)
4
"Connecting to an audio system" (page 26)
AV amplifier

■ **When you connect a TV equipped with audio/ video inputs**
Perform steps 1, 2 and 3.

■ **When you connect an audio system**
Perform steps 1, 2, 3 and 4.

Connections

Connect your recorder to your TV or stereo system.

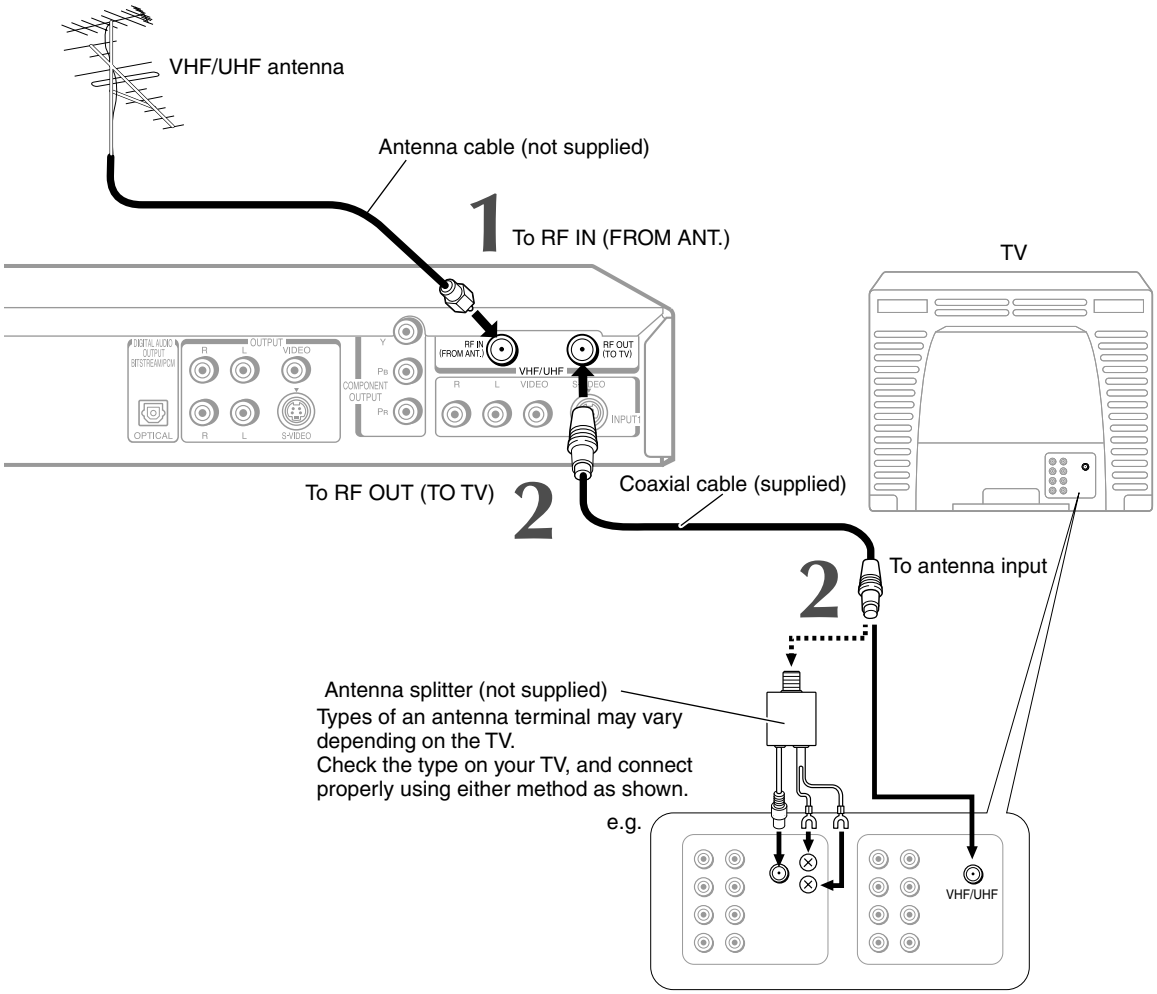
- **Connecting an antenna and TV**
- **Connecting to cable TV signal**
- **Connecting to a satellite system**
- **Connecting to a TV equipped with component video inputs**
- **Connecting to an audio system**

Connecting an antenna and TV

Connect your TV and the antenna to this recorder for recording and to view broadcast programs on the TV.

1 **Disconnect the antenna cable from your TV, and connect it to the RF IN (FROM ANT.) terminal on the recorder.**

2 **Using the supplied coaxial cable of this recorder, connect the RF OUT (TO TV) terminal to the TV.**



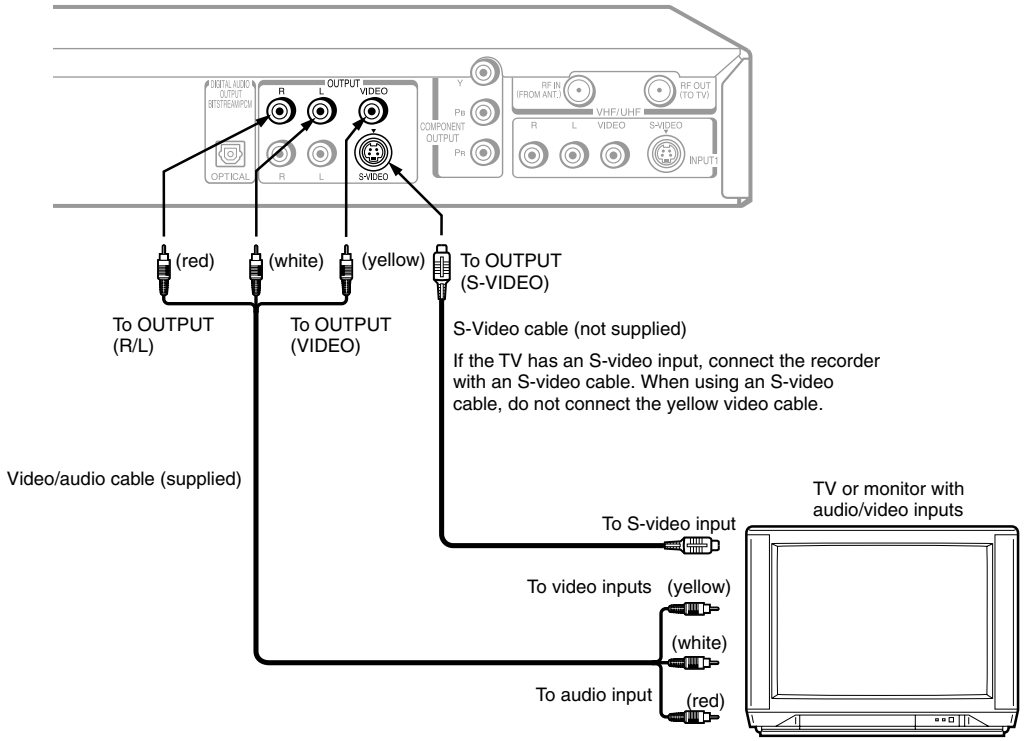
For connecting to a cable box or a satellite system, see ⇨ page 22 to 24.

Note

- This connection insures accessibility of broadcast signals to your TV only. Unlike a VCR, you can not assign channel 3 or 4 for playback of this recorder, because an antenna input only passes through in the recorder. You must connect this recorder to a video input of your TV to enjoy playback picture from this recorder. (See the next page.)

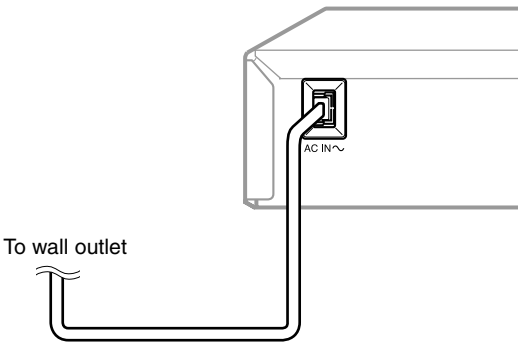
3 Connect to a TV equiped with audio/video inputs.

Connect as below for watching received channels or recorded contents. Watching via the RF OUT terminal is not available.



4 Connect the power cord of the recorder to a wall outlet.

Make sure that the powered recorder lights the LED on the front panel.

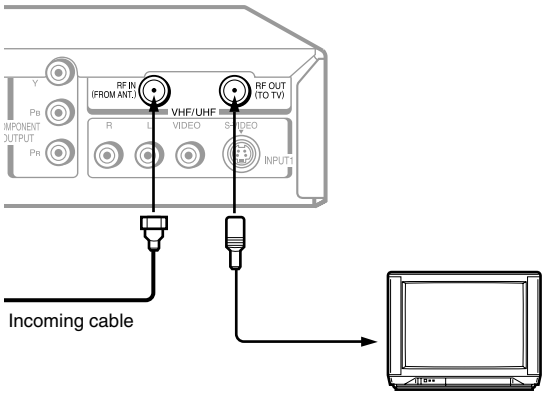


Notes

- Refer to the owner's manual of the connected TV as well.
- When you connect the recorder to your TV, be sure to turn off the power and unplug both units from the wall outlet before any connections.
- If your television set has one audio input, connect the left and right audio outputs of the recorder to a Y cable adapter (not supplied) and then connect to your TV.
- Connect the recorder directly to your TV. If you connect the recorder to a VCR, TV/VCR combination, video selector or AV amplifier, the playback picture may be distorted due to copy protection.

Connecting to cable TV signal

Choose one of the below according to your usage of the cable box.
For watching received channels, connect to the TV via the audio/video cable.

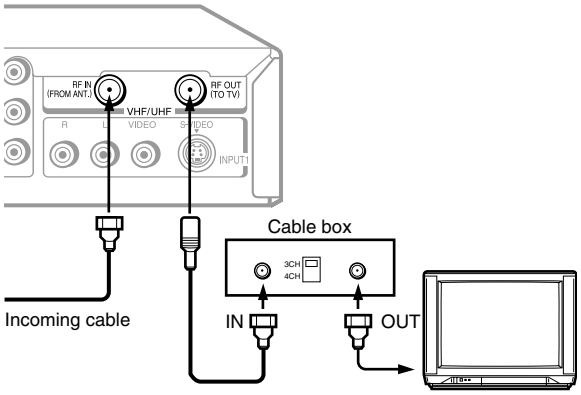


This set-up will allow you to:

– record an unscrambled channel.
– record an unscrambled channel while watching another (only when you connect a cable-compatible TV).

You will need to:

• to record a channel while watching another, select a desired channel on the TV (only when you connect a cable-compatible TV).

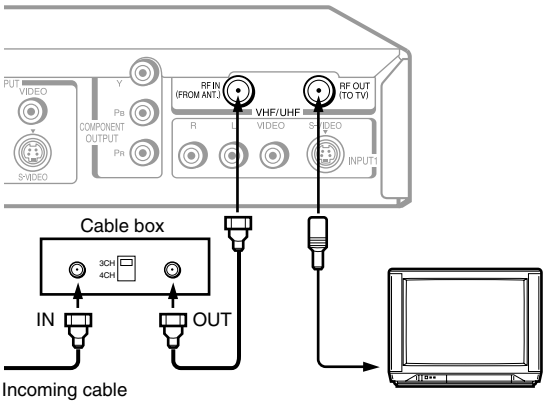


This set-up will allow you to:

– record an unscrambled channel.
– record an unscrambled channel while watching another (scrambled or unscrambled).

You will need to:

• set TV channel to the output channel of the cable box.
• to record an unscrambled channel while watching a scrambled channel, select a desired cable channel via the cable box.

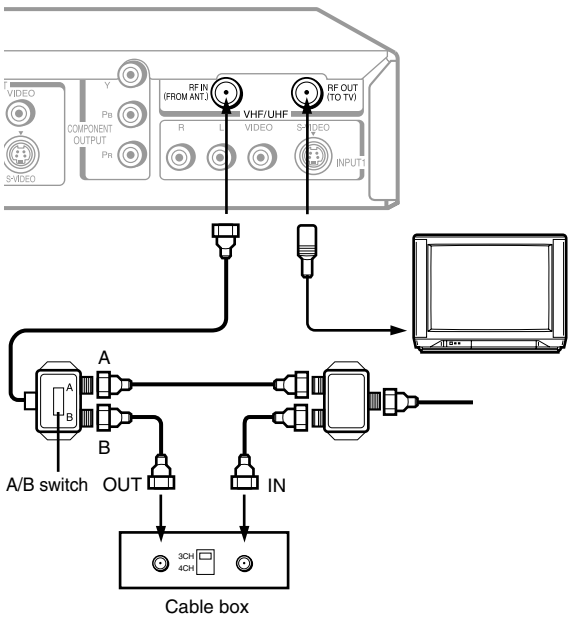


This set-up will allow you to:

– record any channels through the cable box.

You will need to:

• select a desired cable channel via the cable box.
• while the recorder is turned off, set TV channel to the output channel of the cable box.

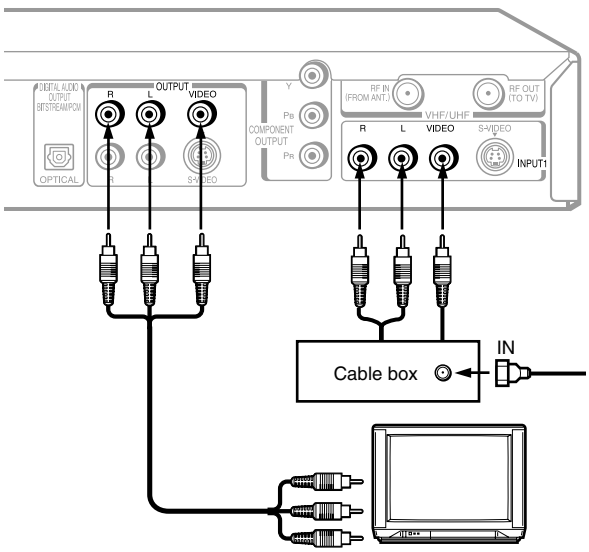


This set-up will allow you to:

– record an unscrambled or scrambled channel.
– record an unscrambled channel while watching another unscrambled channel (only when you connect a cable-compatible TV).

You will need to:

- A/B switch “A”: record an unscrambled channel which bypasses the cable box.
- A/B switch “B”: record a scrambled or unscrambled channel coming through the cable box.

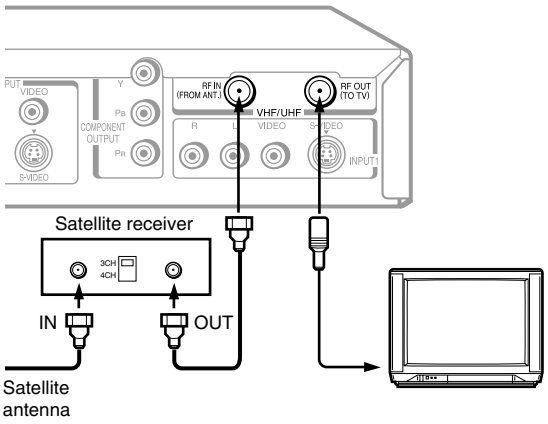


This set-up will allow you to:

– watch or record a channel through the cable box via the INPUT1 (VIDEO/L/R) jacks.

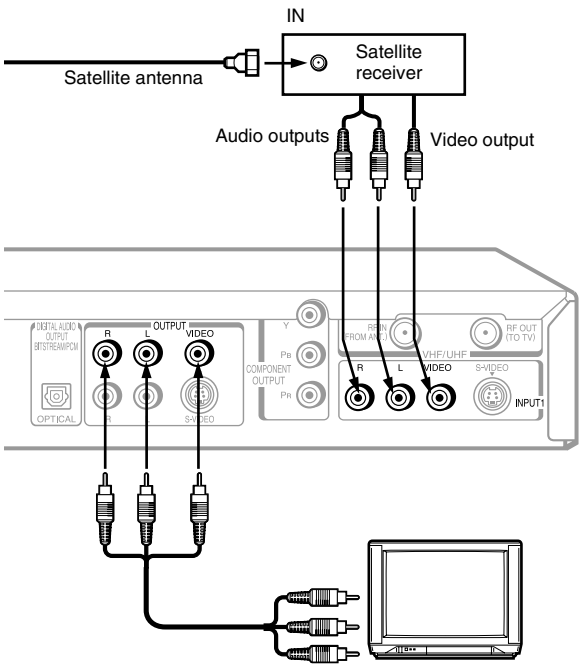
Connecting to a satellite system

Choose one of the following according to your type of satellite receiver.



When the satellite receiver does not have audio/video outputs

1 Connect a satellite antenna to the satellite receiver.
2 Connect the RF IN (FROM ANT.) terminal on the recorder and the RF OUT terminal of the satellite receiver.
3 Connect the RF OUT (TO TV) terminal on the recorder and the antenna input connector of the TV.

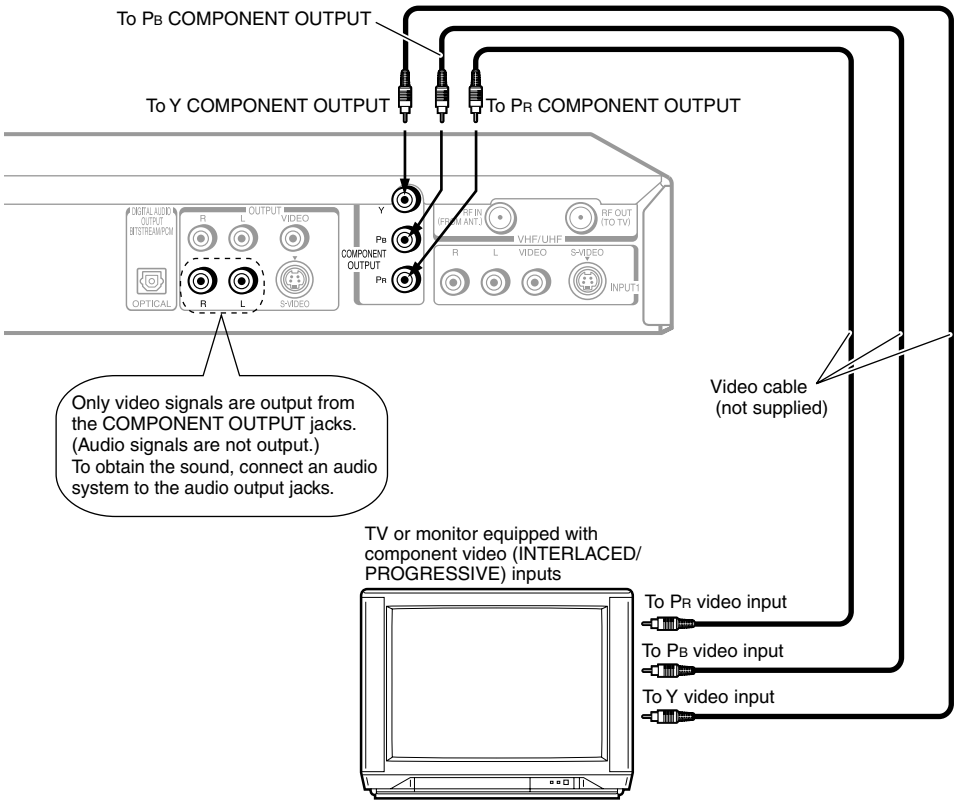


When the satellite system has audio/video outputs

1 Connect a satellite antenna to the satellite system.
2 Connect the INPUT1 (VIDEO/L/R) jacks on the recorder and the audio/video output jacks of the satellite system.
3 Connect the OUTPUT (VIDEO/L/R) jacks on the recorder and the audio/video input jacks of the TV.
4 Connect the RF OUT (TO TV) terminal on the recorder and the antenna input connector of the TV.

Connecting to a TV equipped with component video inputs

If your TV has component video inputs, you can obtain pictures in better quality.


To PB COMPONENT OUTPUT
To Y COMPONENT OUTPUT
To PR COMPONENT OUTPUT
Only video signals are output from the COMPONENT OUTPUT jacks. (Audio signals are not output.) To obtain the sound, connect an audio system to the audio output jacks.
Video cable (not supplied)
TV or monitor equipped with component video (INTERLACED/ PROGRESSIVE) inputs
To PR video input
To PB video input
To Y video input

■ Component video outputs/inputs

Some TVs or monitors are equipped with component video inputs. Connecting to these inputs allows you to enjoy higher quality picture playback.

Actual labels for component video inputs may vary depending on the TV manufacturer. (ex.Y, R-Y, R-B or Y, C_B, C_R)

In some TVs or monitors, the color levels of the playback picture may be reduced slightly or the tint may change. In such a case, adjust the TV or monitor for optimum performance.

- Make the following setting.

On-screen display	Select	Page
“Audio out select”	“Analog 2ch”	⇨ page 38

To switch the output signal (Progressive/Interlaced)

PROGRESSIVE

Press PROGRESSIVE on the remote control. The output signal alternates between component progressive and component interlaced.

Notes

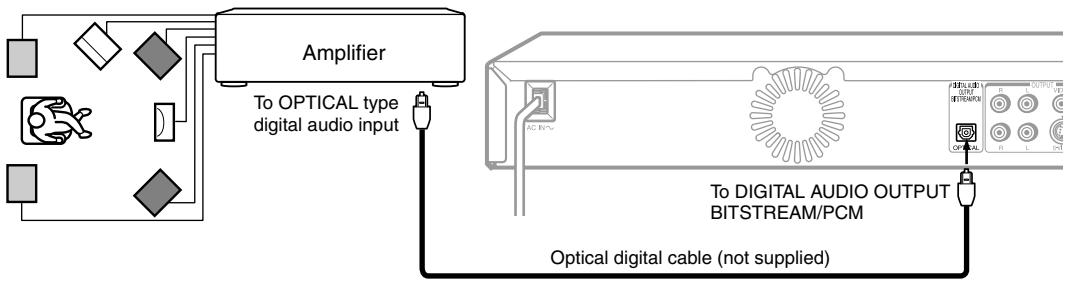
- Refer to the owner’s manual for the TV to be connected to this recorder for more information concerning an audio system.
- If you place the recorder near a tuner or radio, the radio broadcast sound might be distorted. In this case, place the recorder away from the tuner and radio.
- The output sound of the recorder has a wide dynamic range. Be sure to adjust the audio amplifier’s volume to a moderate listening level. Otherwise, the speakers and your hearing may be damaged by a sudden high volume sound.
- Turn off the amplifier before you connect or disconnect the recorder’s power cord. If you leave the amplifier power on, the speakers may be damaged.

Connecting to an audio system

You can enjoy multichannel surround-sound such as 5.1 channel by connecting to an amplifier compatible with Dolby Digital and DTS sound.

- For connection to your TV, see pages 20 to 21, 25.
- For details of output sound, see page 67 in "OPERATIONS GUIDE".

CAUTION
- When you are connecting (via the DIGITAL AUDIO OUTPUT BITSTREAM/PCM jack) an AV decoder that does not have Dolby Digital, Digital Theater Systems (DTS) or MPEG2 decoding function, be sure to set "Audio out select" to "PCM" from the on-screen displays (page 38). Otherwise, a very loud sound may damage your hearing as well as the speakers.
- When playing DTS-encoded discs (DVD video discs and audio CDs), excessive noise may be output from the analog stereo jacks. To avoid possible damage to the audio system, you should take proper precautions when the analog audio out (L/R) jacks of the recorder are connected to an amplification system. To enjoy DTS Digital Surround® playback, an external 5.1 channel DTS Digital Surround® decoder system must be connected to the DIGITAL AUDIO OUTPUT BITSTREAM/PCM jack of the recorder.


Amplifier
To OPTICAL type digital audio input
To DIGITAL AUDIO OUTPUT BITSTREAM/PCM
Optical digital cable (not supplied)

Manufactured under license from Dolby Laboratories. "Dolby" and the double-D symbol are trademarks of Dolby Laboratories.

"DTS" and "DTS Digital Out" are trademarks of Digital Theater Systems, Inc.

- Make the setting on page 38, "Audio out select".

Notes
- DO NOT connect the DIGITAL AUDIO OUTPUT BITSTREAM/PCM jack of the recorder to the AC-3 RF input of a Dolby Digital Receiver. This input on your A/V Receiver is reserved for Laserdisc use only and is incompatible with the DIGITAL AUDIO OUTPUT BITSTREAM/PCM jack of the recorder.
- Connect the DIGITAL AUDIO OUTPUT BITSTREAM/PCM jack of the recorder to the "OPTICAL" input of a Receiver or Processor.
- Refer to the owner's manual for the TV to be connected to this recorder for more information concerning connecting an audio system.
- The output sound of the recorder has a wide dynamic range. Be sure to adjust the audio amplifier's volume to a moderate listening level. Otherwise, the speakers and your hearing may be damaged by a sudden high volume sound.
- Turn off the amplifier before you connect or disconnect the recorder's power cord. If you leave the amplifier power on, the speakers may be damaged.

Basic Setup

Read this chapter for necessary settings to get started. When you use this recorder for the first time, be sure to perform A to C in this order.
Proceed to D if necessary.

- **Starting up the recorder**
- **A: Initial settings**
  - **Language setting**
  - **Time and date setting**
  - **Channel setting**
- **B: Output sound setting**
- **C: TV shape setting**
- **D: Remote control settings**
  - **Operating a TV with the remote control of this recorder**
  - **Operating the second and third TOSHIBA DVD video recorders with the remote control of this recorder**

Starting up the recorder

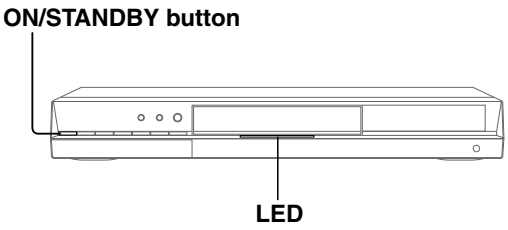
After all the necessary connections,

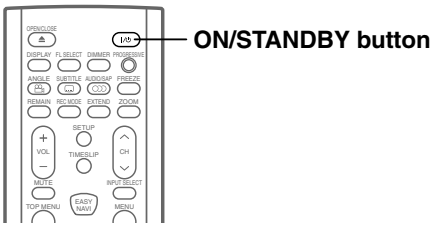
- **Turn on the equipment connected to the recorder.**
- **Select the corresponding video input on your television.**

Perform these selections whenever you operate the recorder.

■ Turning the power on

Press the ON/STANDBY button from the remote control or on the front panel of the recorder.





When the power turns on, the LED on the front panel illuminates.
After a few seconds, a startup screen appears.

The following icon will appear on the top right corner of the screen. The icon will continue flashing momentarily.

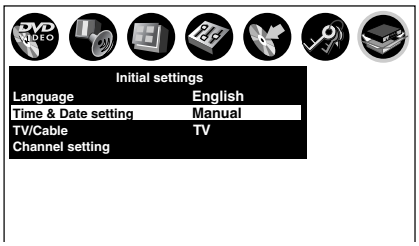
e.g.

While the icon is flashing, the recorder is checking the status and reading data of the DVD drive for startup. If the DVD drive does not contain a disc, the recorder consumes less time to startup, because it does not need to read data from the DVD drive.
While the “Loading” icon is flashing, the recorder cannot respond to any operations. Operate after the icon has disappeared.

Note

- When the recorder is turned on for the first time, the following menu will be displayed after the “Loading” icon has disappeared. See “A: Initial settings” (page 30).

e.g.



■ Turning the power off

Press the ON/STANDBY button from the remote control or on the front panel of the recorder.

The “Unloading” icon appears on the right corner of the top of the screen, and the LED turns off if it is lighted. Then the power turns off.

Note

- If the recorder freezes for about 15 minutes and will not respond to any buttons, holding down the ON/STANDBY button on the front panel for about 10 seconds can force the recorder to turn off. However, this is an emergency measure, which contains a risk of damage to data or discs. Avoid casual use of this measure.

■ Startup/finishing (closing) icons

These icons are displayed on the right corner on the top of the screen. While they are flashing, the recorder is operating as follows:

Startup, reading a disc, finishing recording

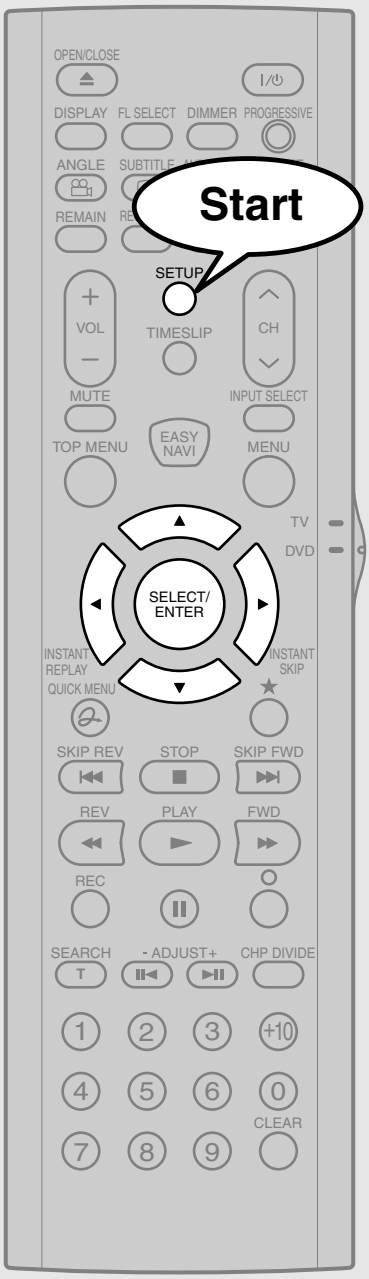
Unloading a disc, finishing the recorder's operation

Opening a disc tray

Closing a disc tray

A: Initial settings

This step sets the recorder's clock and tuner to record broadcasting TV programs.
If there are discrepancies in the recorder's time display or changes made to receivable TV stations, you should make this setting again.

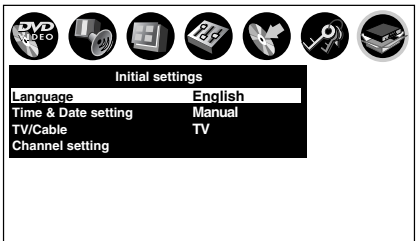


When the recorder is operated for the first time, begin from step 3.

1 **Press SETUP.**

2 **Press ◄/► to select "Initial settings", then press SELECT/ENTER.**

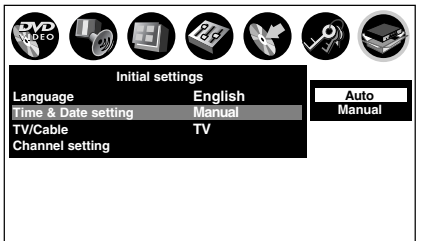
e.g.



3 **Press ▲/▼ to select the setting to be adjusted, then press SELECT/ENTER.**

The submenu appears.
e.g. When "Time & Date setting" is selected:

e.g.



When the recorder is operated for the first time, input settings in the following order.

1: Language setting page 32
2: Time and date setting page 33
3: Channel setting page 36

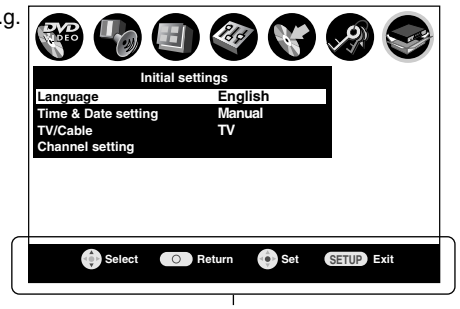
Notes

- To go back to the previous menu, press the ○ button.
- To exit the menu, press the SETUP button.
- If you exit the "Initial settings" menu without setting the clock and channels, a menu may automatically appear to remind you to set them each time you turn on the recorder. Once you complete this process, the menu reminder will not appear again.

■ Tip on setting

The recorder provides you with a variety of GUI (Graphical User Interface) displays to perform key operations including customizing of setting, playback or recording.
Refer to the guide on the bottom on each GUI for further programming related information.

e.g.



Operation guide

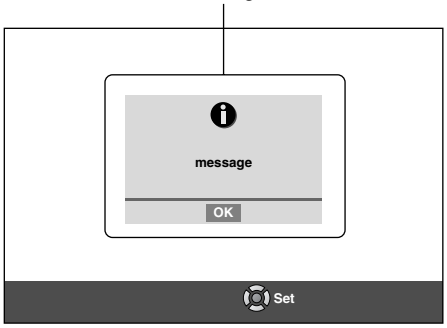
Example of the icon	Function
Direction buttons	To select an item.
○ O button	To return to the previous page.
SELECT/ENTER button	To enter (confirm) a selected item or setting.
SETUP SETUP button	To display/exit a setting menu.

■ If a message appears

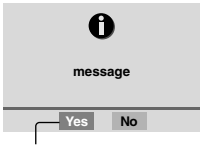
The recorder may display a message. Each message varies according to operational status.
To respond, follow the below examples.

Message

e.g.



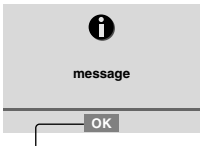
e.g.



Select either response (by highlighting in green) using the ◀/▶ buttons, then press the SELECT/ENTER button. The message disappears.

2 selections

e.g.



Read the message, then press the SELECT/ENTER button. The message disappears.

1 selection

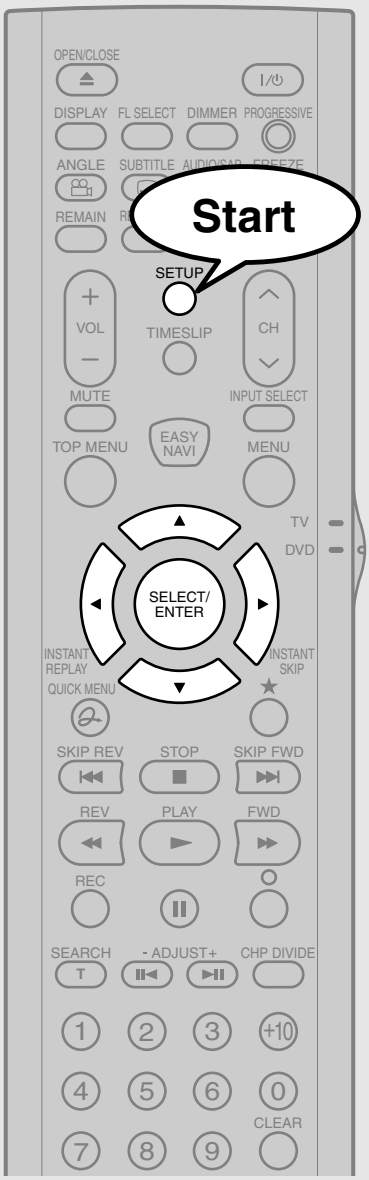
e.g.

The message disappears automatically in a few seconds.

No selection

1: Language setting

Select a preferred language for on-screen displays.



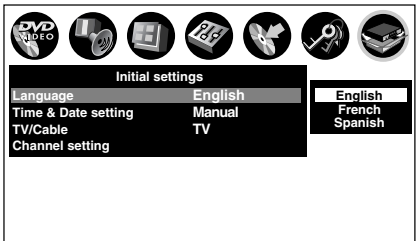
When the recorder is operated for the first time, begin from step 3.

1 **Press SETUP.**

2 **Press ◄/► to select "Initial settings", then press SELECT/ENTER.**

3 **Press ▲/▼ to select "Language", then press SELECT/ENTER.**

e.g.



4 **Press ▲/▼ to select a language, then press SELECT/ENTER.**

English : To view on-screen displays in English.

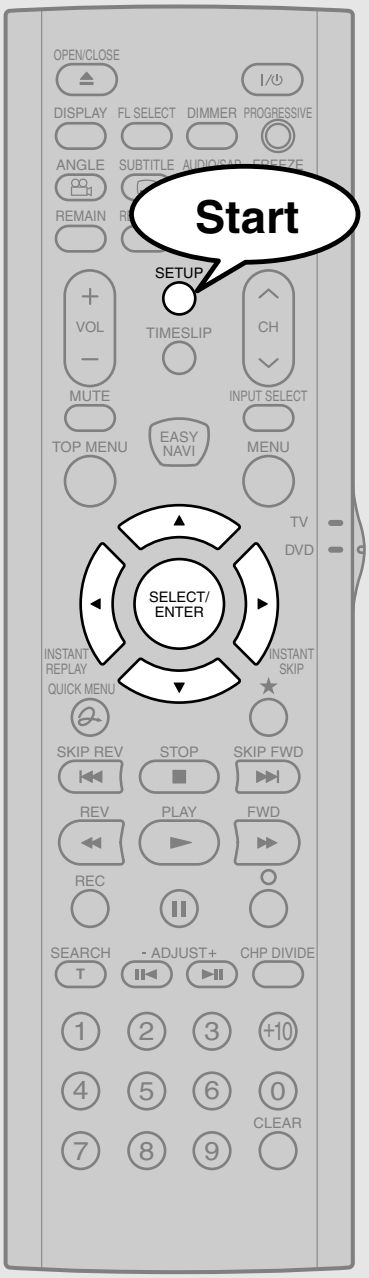
French : To view on-screen displays in French.

Spanish : To view on-screen displays in Spanish.

"1: Language setting" is complete. Go to "2: Time and date setting". (⇨ page 33)

2: Time and date setting

Set the recorder's clock. If it is not set correctly, the recorder cannot perform operations other than playback.



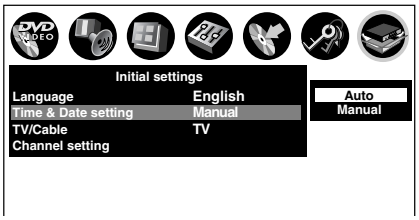
When the recorder is operated for the first time, begin from step 3.

1 **Press SETUP.**

2 **Press ◄/► to select "Initial settings", then press SELECT/ENTER.**

3 **Press ▲/▼ to select "Time & Date setting", then press SELECT/ENTER.**

e.g.



4 **Press ▲/▼ to select "Auto" or "Manual", then press SELECT/ENTER.**

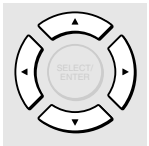
Auto : The recorder will set the time and date. Proceed to step 5. (This clock sets one time only.)

Manual : You can set the clock manually. See "Manual clock setting". page 35

Select "Manual" to set the clock if not set correctly by "Auto".

Auto clock setting

5 **Press ◄/► to select an item, then press ▲/▼ to select a detailed setting.**



e.g.

Notes on summer time (Daylight-Saving time) on this recorder

- The recording system of this recorder always conforms to its own actual clock even at the moment it gains or loses 1 hour of shift to/from summer time. Therefore, there may be some inconsistency in the display's digits or actual operations on that occasion. For example, on the first Sunday in April, the actual recording length of a programmed recording from 1:00 a.m. to 4:00 a.m. will be 2 hours, not 3. Be sure to give a careful consideration to your setting or reading on-screen if a recording period includes the moment of time shift.
- This recorder's clock cannot lose 1 hour on the last Sunday in October even if you set "Auto" or "Use" at step 5, unless it once gained 1 hour in April.

1) Set "**Summer time** (Daylight-Saving time)".
   DST start **:**Daylight-saving time begins on the first Sunday in April. The internal clock automatically changes from 2:00 AM to 3:00 AM (forward one hour).
   DST end **:**Daylight-saving time ends on the last Sunday in October. At 2:00 AM the recorder clock automatically changes to 1:00 AM (back one hour).

   Auto **:** The recorder uses clock data Broadcast by the local (PBS) TV stations.
   Use **:** You want to use the DST function, and you are living in an area that applies Daylight-saving time.
   No Use **:** You are not living in the area where Daylight-saving time applies and you do not want to use DST function.

2) Set "**Time zone**".
   If you select "Auto" for your time zone, the recorder sets the clock using the first Coordinated Universal Time information it finds. If the auto set time is not correct, select another time zone or use the "Manual" option.

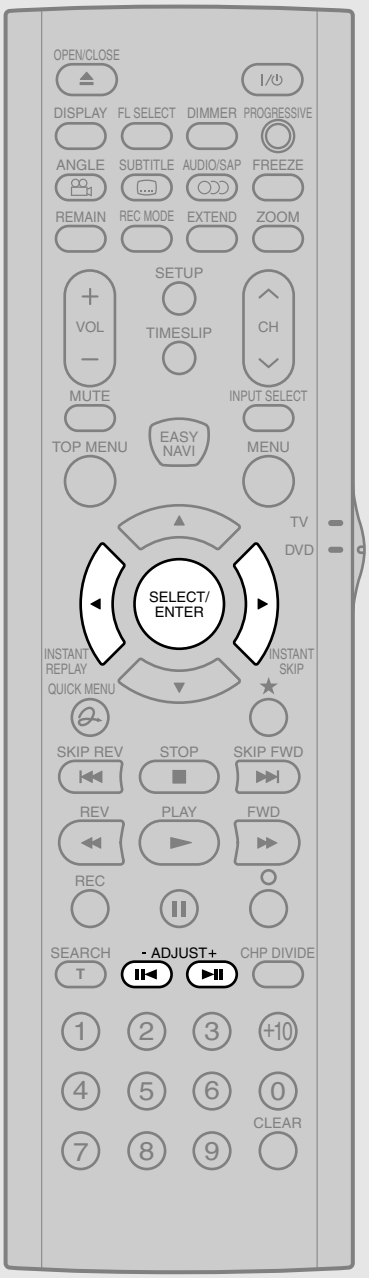
3) Set "**Channel**". (When displaying a channel number, the number buttons are also available to change it.)
   If you do not know the clock data channel, select "Auto". The recorder will scan automatically to tune the channel carrying the clock data. (generally a PBS station)
   Select "Channel" to set the clock if not set correctly by "Auto".

6 Press SELECT/ENTER.

The clock setting starts. The display returns to the previous screen after setting is completed.
Auto Clock Setting may take a long time.
If Auto clock setting is unsuccessful, input the time and date via the "Manual" clock setting menu selection.

Notes

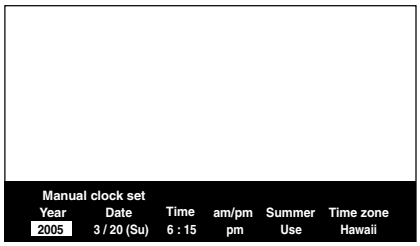
- If you set "Summer time (Daylight-Saving time)" to "Auto" and "Time zone" to "Manual", a small time discrepancy may occur around the hours of DST start/end.
- Even if "Time & Date setting" is set to "Auto," a time discrepancy within 1 second should be inevitable.
- When setting both "Time & Date setting" and "Time zone" to "Auto", you can confirm the set "Time zone" in the "Time zone" display of the "Manual" screen in "Time & Date setting". (The "Time zone" display of the "Manual" screen in "Time & Date setting" will remain in "Auto".)
- In the case of a programmed recording with the DST change-over point to Daylight-saving time, if the continuous recording time exceeds the limit due to a time discrepancy caused by Daylight-saving time during recording, the recording stops on that point.



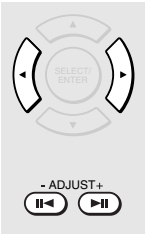
Manual clock setting

Select “Manual” at step 4 page 33.

e.g.



4 Press ◄/► and ADJUST (-/+) to set the clock.



◄/► buttons:
To select “Year”, “Date”, “Time”, “am/pm”, “Summer (Summer time)” or “Time zone”.

ADJUST (-/+) buttons:
To change the data.
(▲/▼ buttons can also be used in addition to ADJUST (-/+) buttons.)

5 After setting all the items, press SELECT/ ENTER.

The following message appears.

6 Press ◄/► to select “Yes”, then press SELECT/ENTER.

The “Initial settings” menu returns.

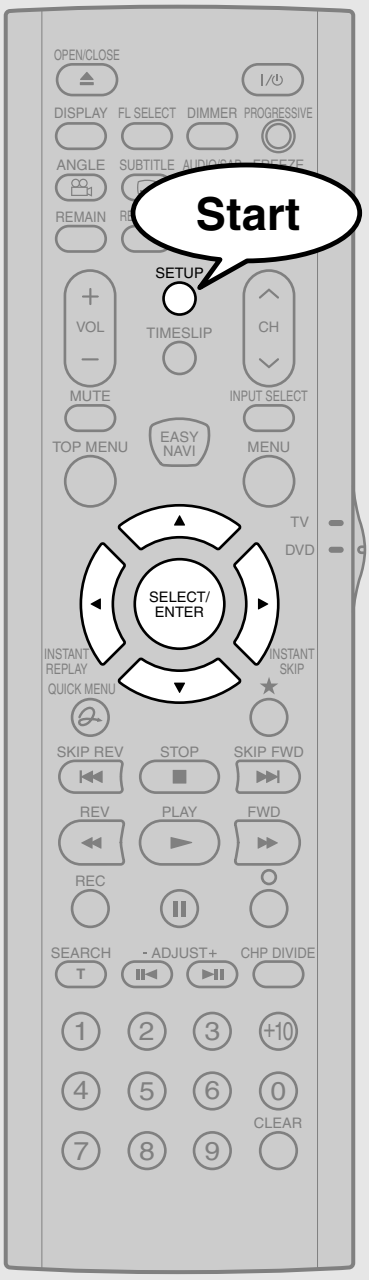
Notes

- This recorder is provided with a calendar extending to 2069. (However, this does not mean that the recorder is supported to 2069.)
- To go back to the previous menu, press the O button.
- To exit the menu, press the SETUP button.

“2: Time and date setting” is complete. Go to “3: Channel setting”. (page 36)

3: Channel setting

The recorder scans through all receivable TV and cable channels and stores only the active ones in its memory. Once this process is completed, you can select a desired channel using the CH button.



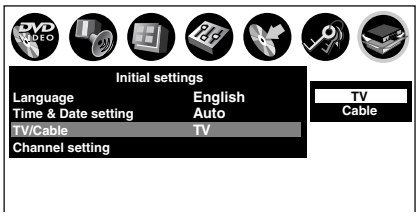
When the recorder is operated for the first time, begin from step 3.

1 Press SETUP.

2 Press ◄/► to select “Initial settings”, then press SELECT/ENTER.

3 Press ▲/▼ to select “TV/Cable”, then press SELECT/ENTER.

e.g.



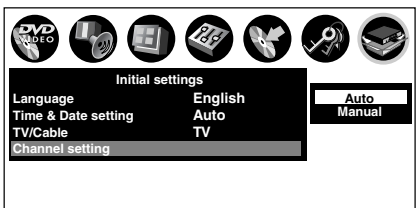
4 Press ▲/▼ to select “TV” or “Cable”, then press SELECT/ENTER.

TV : To store broadcast channels received via the antenna.

Cable : To store channels received via cable.

5 Press ▲/▼ to select “Channel setting”, then press SELECT/ENTER.

e.g.



6 Press ▲ / ▼ to select “Auto”, then press SELECT/ENTER.

The recorder starts scanning and active channels are stored in the recorder in ascending order.
The display returns to the previous screen after setting is completed.

■ Adding or erasing channels

Adding channels
If a desired channel cannot be scanned automatically because of a weak signal, it can be added to the memory.

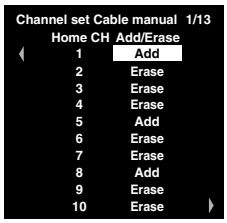
Erasing channels
You can erase a stored channel from the memory.

1) Select “Manual” at step 6.

2) Press ▲ / ▼ to select a channel you want to add or erase.
For cable channels, refer to the chart below page.

3) Press ADJUST (-/+) to select “Add” or “Erase”.
Add : Adding channels
Erase : Erasing channels

e.g.



4) Press SELECT/ENTER.
The confirmation message appears.
Press the ◄ / ► buttons to select “Yes”, then press the SELECT/ENTER button.

Channel reference

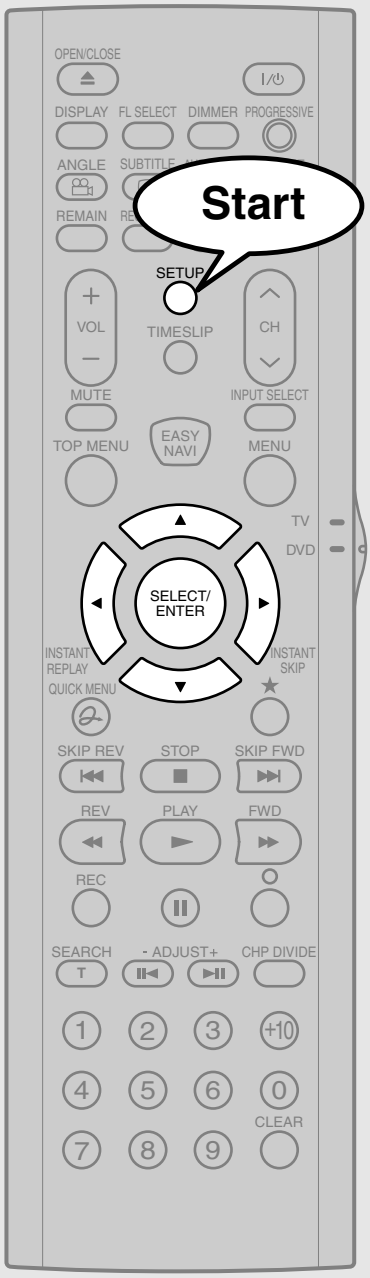
Number on the recorder																				
Corresponding channel number												CH NUMBER	1	2	3	4	5	6	7	8	9
												TV	–	2	3	4	5	6	7	8	9
												Ccable STD (HRC/IRC)	1(A-8)	2	3	4	5(A-7)	6(A-6)	7	8	9
10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
10	11	12	13	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	
31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	
31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	
R	S	T	U	V	W	AA	BB	CC	DD	EE	FF	GG	HH	II	JJ	KK	LL	MM	NN	OO	
52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	…	
52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	–	–	…	
PP	QQ	RR	SS	TT	UU	VV	WW	XX	YY	ZZ	AAA	BBB	65	66	67	68	69	70	71	…	
93	94	95	96	97	98	99	100	101	102	103	…	121	122	123	124	125					
–	–	–	–	–	–	–	–	–	–	–	…	–	–	–	–	–					
93	94	A-5	A-4	A-3	A-2	A-1	100	101	102	103	…	121	122	123	124	125					

Cable signals
- STD (standard) cable TV signals
- HRC (Harmonic Related Carriers) cable TV signals
- IRC (Incremental Related Carriers) cable TV signals
  IRC is also called ICC (Incremental Coherent Carriers)

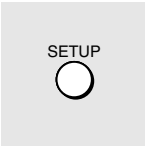
“A: Initial settings” is complete. Go to “B: Output sound setting”. (⇨ page 38)

B: Output sound setting

Select the output sound setting corresponding to the connected TV or audio system.



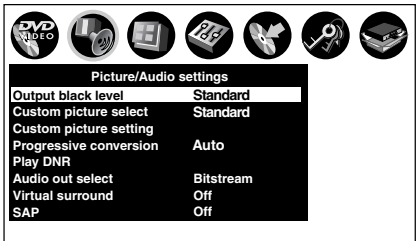
1 Press SETUP to display the setup menu.



When it is already displayed, press the ○ button.

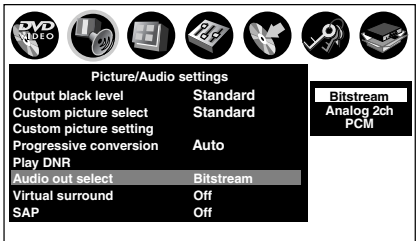
2 Press ◄/► to select "Picture/Audio settings", then press SELECT/ENTER.

e.g.



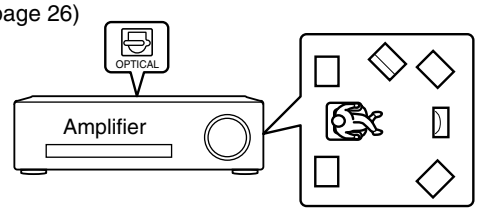
3 Press ▲/▼ to select "Audio out select", then press SELECT/ENTER.

e.g.



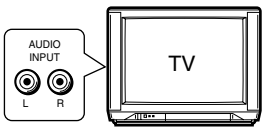
4 Press ▲ / ▼ to select the output sound format.

Bitstream:
Select when connected to an amplifier equipped with a Dolby Digital, DTS, MPEG1 and MPEG2 decoder. (page 26)

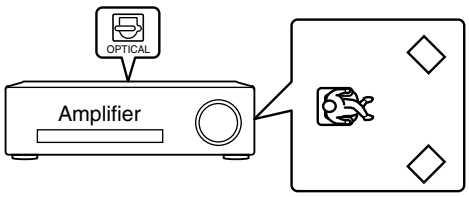


The recorder outputs digital audio signals in the bitstream format when you play a DVD video disc recorded on the Dolby Digital, DTS, MPEG1 and MPEG2 recording system.

Analog 2ch:
Select when connected to a TV or audio system via the analog audio jacks. (pages 21, 25)



PCM:
Select when connected to a 2 channel digital stereo system. (page 26)



The recorder outputs sounds in the PCM 2ch format when you play a DVD video disc recorded on the Dolby Digital, MPEG1 and MPEG2 recording system.

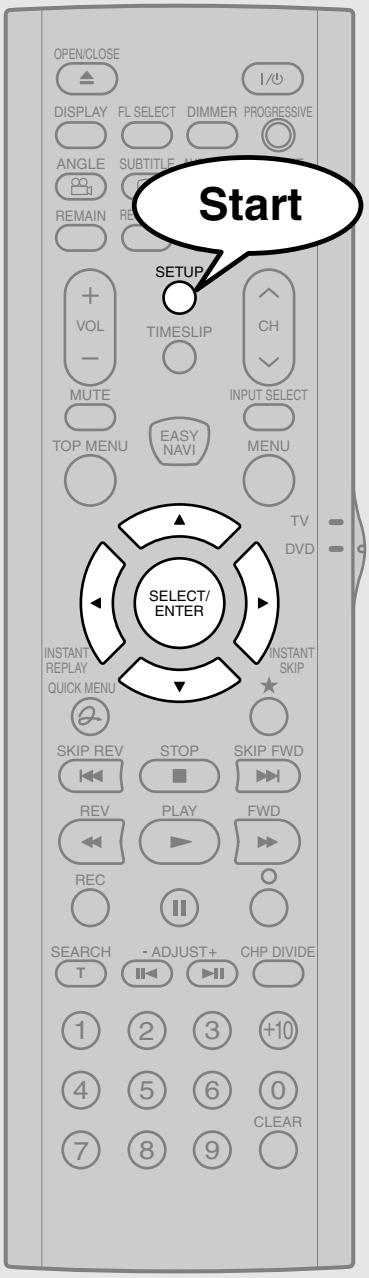
5 Once the proper setting is selected, press SELECT/ENTER.

The submenu disappears.
To exit the setting menu, press the SETUP button.

"B: Output sound setting" is complete. Go to "C: TV shape setting". (page 40)

C: TV shape setting

Select the picture shape according to the aspect ratio of your TV.

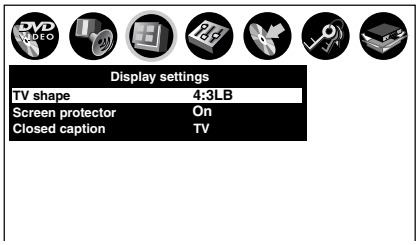


1 Press SETUP to display the setup menu.

When it is already displayed, press the ○ button.
(To return to the previous menu)

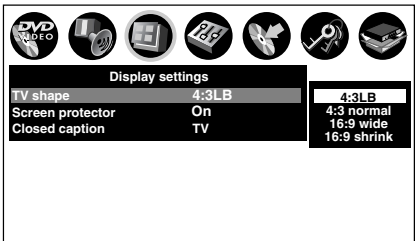
2 Press ◄/► to select “Display settings”, then press SELECT/ENTER.

e.g.



3 Press ▲/▼ to select “TV shape”, then press SELECT/ENTER.

e.g.



4 Press ▲ / ▼ to select the picture shape.

4:3 LB:
Select when a standard 4:3 TV is connected.
Displays theatrical images with masking bars above and below the picture.

4:3 normal:
Select when a standard 4:3 TV is connected.
Displays theatrical images cropped to fill your TV screen. Either or both sides of the picture are cut off.

16:9 wide:
Select when a 16:9 wide TV is connected.

16:9 shrink:
Select when a 16:9 wide TV is connected.
When a 4:3 aspect ratio image has been elongated to 16:9 wide picture size, use this setting.
Masking bars to the right and left appears.

5 Once the proper setting is selected, press SELECT/ENTER.

The submenu disappears.
To exit the setting menu, press the SETUP button.

Notes
- Actual picture shape may depend on signal type of broadcast or input source, or settings on the connected TV. Refer to the owner's manual of the TV.
- When a DVD video disc has a particular available picture shape, the contents may not be compatible with other picture shape.

"C: TV shape setting" is complete. Go to "D: Remote control settings". (⇨ page 42)

D: Remote control settings

Perform this step according to your preference and usage.

Operating a TV with the remote control of this recorder

The remote control of this recorder has a function to operate a TV.

Preparation: Entering a brand code into the remote control

1 **While holding QUICK MENU, press the number buttons to enter a corresponding brand code (see the next page) of your TV.**

QUICK MENU

e.g. To enter 0071

QUICK MENU

Hold down.

0 → 0 → 7 → 1

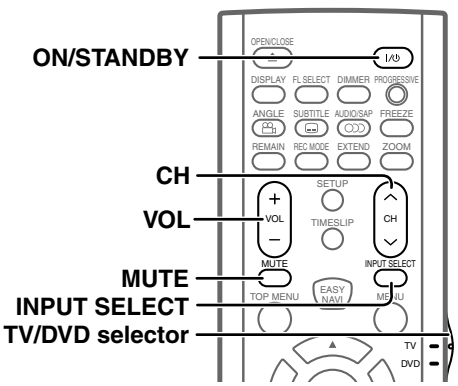
1 2 3
4 5 6 0
7 8 9

2 **Release QUICK MENU.**

The brand code is memorized.

■ Operating the remote control

Switch the TV/DVD selector to “TV”, and point the remote control into which you have entered the brand code, to your TV and press the following buttons.



ON/STANDBY : To turn on and off the TV

INPUT SELECT: To change the video input

CH : To select the TV channel

VOL : To adjust the volume

MUTE : To mute the TV.
Pressing again restores the sound volume.

■ Brand code table

Brand name	Brand code
Toshiba	0001 0021 0071 0311 0411 0431 0831 0841 0851 1341 1611 1621 1681 1781 1951 2121 2461 2491
Bell & Howell	0081 0431
Citizen	0051 0381 0471 0551 0621 0851 1561
Curtis Mathes	0051 0391 0431 0531 0621 0851 1521 1561 2501
Emerson	0051 0111 0121 0141 0151 0161 0201 0211 0351 0381 0431 0521 0561 0571 0621 0691 1241 1291 1371 1561 2481
Fisher	0251 0401 0431 1151 2451 2481
GE	0041 0051 0091 0181 0321 0371 0391 0591 0621 0711 0741 0881 1041 1471 1521 2481 2501
Goldstar	0051 0061 0161 0231 0451 0501 0621 0661 0771 0961 1431 1561 2481
Hallmark	0051 0621
Hitachi	2381 0031 0051 0161 0191 0301 0601 0621 0641 0671 0811 0821 0951 1011 1061 1241 1361 1651 1711 1731 1741 1751 1761 2041 2051 2131
Infinity	0631
JBL	0631
JVC	0101 0161 0191 0241 0331 0511 0561 0601 0741 0991 1321 1421 2161 2171 2261
LXI	0001 0311 0391 0411 0431 0621 0631 1041 1171 1521 2491 2501
Magnavox	0051 0271 0291 0341 0361 0421 0551 0621 0631 0661 0971 0981 1131 2221 2351
Marantz	0051 0481 0621 0631 0641 2491
Memorex	0081 0431 0501 0621 2491
MGA	0051 0251 0261 0371 0501 0621 0661 0761
Mitsubishi	0051 0251 0261 0281 0371 0491 0501 0621 0661 0761 2231 2241
MTC	0051 0501 0621 0851
NAD	0001 0311 0411 0621 1061
Optonica	0541 1101
Panasonic	2301 0631 0711 0741 1271 1351 1401 1501 1701 1791 1801 2111 2151
Philco	0051 0161 0271 0291 0361 0421 0501 0551 0621 0631 0661 0711
Philips	0051 0161 0271 0321 0361 0421 0461 0551 0631 0661 0711 2141 2351
Proton	0051 0161 0621 0651 2491
Quasar	0711 0741 0801 1401 2281
Radio Shack	0431 1521 2481
Radio Shack/Realistic	0051 0161 0381 0391 0431 0541 0621 1431 1561 2501
RCA	0051 0221 0391 0501 0621 0661 0711 0871 0881 0911 0921 0941 1001 1041 1071 1091 1181 1211 1241 1301 1461 1491 1521 1531 2291 2481 2501
Realistic	0431 1521
Runco	0011
Samsung	1811 0051 0161 0501 0531 0621 0661 0851 0931 1021 1141 1431 1561 1591 1601 1771 1821 1831 1841 1851 1861 1931 2081 2101 2311
Sanyo	0051 0261 0401 0431 0791 0901 1151 2461
Sears	0001 0051 0151 0191 0251 0311 0331 0391 0401 0411 0431 0621 0661 1041 1081 1151 1481 1521 2461 2481 2501
Sharp	2181 0051 0111 0161 0351 0541 0581 0611 0621 0731 0891 1101 1561 1721 1871 1881 1941 2341
Sony	1231 0441 1111 1511 2411 1891 1901 2061 2421 2431 2401
Soundesign	0051 0151 0381 0551 0621 2481
Sylvania	0051 0071 0271 0291 0341 0361 0421 0551 0621 0631 0661 0861 1441 2191 2201
Tandy	1101
Technics	0741
Teknika	0051 0081 0151 0161 0191 0341 0381 0471 0501 0551 0621 0851 1271 1401 1561 2481
Wards	0051 0081 0141 0151 0181 0211 0271 0321 0341 0361 0391 0421 0501 0541 0621 0631 0661 1051 1521 2491 2501
Zenith	0011 0051 0081 0781 1281 1571 2091 2211 2251 2391 2361 2441

Notes

- TOSHIBA code is already set when you operate this recorder for the first time.
- Some brands have several codes. Try one by one until the remote control can operate your TV.
- Even after the recorder's remote control is programmed, it may not operate some or all of the features on your other device. If this happens and you wish to use those features, you will need to use the device's original remote control.
- When replacing the batteries of the remote control, re-enter the brand code of your TV.

D: Remote control settings (Continued)

Operating the second and third TOSHIBA DVD video recorders with the remote control of this recorder

Switches the codes to operate the recorder.
If you use the second and third TOSHIBA DVD video recorders, set the different remote codes for each recorder to avoid confusion in the response of the recorders.

Example: Setting this recorder's remote control mode to DR 2, after another DVD recorder has been set to DR 1.
(It is necessary to set the remote control mode on both the recorder and the remote control.)

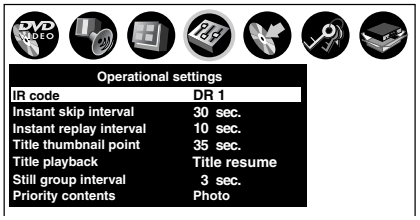
Setting up the recorder

1 Press SETUP.

The setting menu appears.

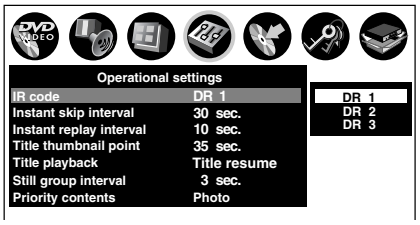
2 Press ◄/► to select "Operational settings", then press SELECT/ENTER.

e.g.


Operational settings
IR code DR 1
Instant skip interval 30 sec.
Instant replay interval 10 sec.
Title thumbnail point 35 sec.
Title playback Title resume
Still group interval 3 sec.
Priority contents Photo

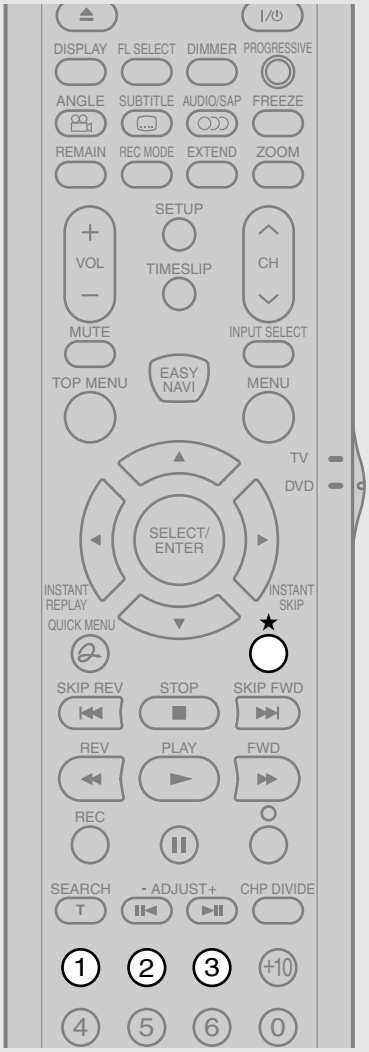
3 Press ▲/▼ to select "IR code", then press SELECT/ENTER.

e.g.



4 Press ▲/▼ to select "DR 2" (example), then press SELECT/ENTER.

The submenu disappears.
By pressing the SELECT/ENTER button, the selected command mode is set in the recorder. Operation may not be possible temporarily until you set the corresponding mode in the remote control itself. Proceed to the next setting.



Setting up the remote control

5 While pressing ★, press 2.

★ ◯

The remote control mode is set to “‘DR 2”.

②

Select the same mode that you have set to the recorder.

	Mode setting	
	Recorder	Remote control
When using with DR 1 mode	**DR 1** DR 2 DR 3	★ ◯ + ①
When using with DR 2 mode	DR 1 **DR 2** DR 3	★ ◯ + ②
When using with DR 3 mode	DR 1 DR 2 **DR 3**	★ ◯ + ③

Notes

- If the recorder’s mode and the remote control’s mode are different, the recorder’s mode (DR 1, DR 2 or DR 3) appears in the display of the front panel.
- When the batteries of the remote control are replaced or when the time indicator of the front panel flashes, check the remote control modes of both the recorder and the remote control, and re-program if necessary.

■ Disabling the remote control for a temporary period

You can temporarily disable the reception of the remote control signals at the recorder, when the selection of DR 1, DR 2 and DR 3 is not sufficient while you are using several Toshiba DVD video recorders.

Press the CH buttons on the recorder at the same time for three seconds or more.

The recorder display shows “DR - OFF”, indicating that the remote control is disabled.

To enable the remote control, perform the same step again. (The display shows “DR-1”, “DR-2” or “DR-3” depending on your setting.)

Note

- This function is available while the recorder is turned on.

Limited United States Warranty

Digital Audio Video ("DAV") Product-Depot Repair Warranty

Toshiba America Consumer Products, L.L.C,. ("TACP") makes the following limited warranties to original consumers in the United States. THESE LIMITED WARRANTIES EXTEND TO THE ORIGINAL CONSUMER PURCHASER OR ANY PERSON RECEIVING THIS DAV PRODUCT AS A GIFT FROM THE ORIGINAL CONSUMER PURCHASER AND TO NO OTHER PURCHASER OR TRANSFEREE.

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Owner's Manual and Product Registration Card

Read this owner's manual thoroughly before operating this DAV Product.

Complete and mail the enclosed product registration card or register your DAV Product on-line at www.tacp.toshiba.com/service as soon as possible. By registering your DAV Product you will enable TACP to bring you new products specifically designed to meet your needs and help us to contact you in the unlikely event a safety notification is required under the Consumer Product Safety Act. Failure to complete and return the product registration card does not diminish your warranty rights.

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THE ABOVE WARRANTIES ARE SUBJECT TO THE FOLLOWING CONDITIONS:

(1) You must retain your bill of sale or provide other proof of purchase.

(2) All warranty servicing of this DAV Product must be made by the Depot Warranty Repair Center specified by the TACP Consumer Solutions Center.

(3) The warranties from TACP are effective only if the DAV Product is purchased and operated in the Continental U.S.A. or Puerto Rico.

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How to Obtain Warranty Services

If, after following all of the operating instructions in this manual and checking the section “Before calling service personnel”, you find that service is needed:

(1) For instructions on how to obtain warranty service for your DAV Product, contact TACP’s Consumer Solution Center toll-free at 1-800-631-3811.

(2) You must include a copy of original bill of sale or other proof of purchase along with the entire DAV Product to the Depot Warranty Repair Center specified by the TACP Consumer Solutions Center. You are responsible for all inbound transportation and insurance charges for the DAV Product to the Depot Warranty Repair Center specified by the TACP Consumer Solutions Center.

For additional information, visit TACP’s web site: www.tacp.toshiba.com.

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TOSHIBA

- IMPORTANT -
CANADIAN WARRANTY INFORMATION
GARANTIE CANADIENNE

STANDARD WARRANTY		GARANTIE NORMALE	
TYPE OF SET	DVD Player DVD/VCR Combination Home Theatre in a Box DVD Recorder Portable DVD	TYPE D'APPAREIL	Lecteur DVD DVD/magnétoscope combo Cinéma maison dans une boîte Enregistreur DVD DVD Portatif
WARRANTY PERIOD	12 MONTHS	DURÉE DE LA GARANTIE:	12 MOIS

CANADIAN WARRANTY

Toshiba of Canada Limited (TCL) makes the following limited warranties to original consumers in Canada. Please retain your "Bill of Sale" as proof of purchase. **To obtain a "Canadian Warranty" please register online at www.toshiba.ca**.

GARANTIE CANADIENNE

1) Toshiba du Canada Limitée (TCL) offre au Canada les garanties limitées suivantes aux consommateurs originaux. Veuillez conserver votre « facture » comme preuve d'achat. **Pour obtenir une garantie canadienne, veuillez vous inscrire en ligne à www.toshiba.ca**

Canadian Warranty Information

Should service be required on this unit during the one year warranty period, TCL's option will be to repair or exchange the defective unit. It will be necessary to follow this procedure:
Contact: Toshiba of Canada Limited at the Consumer Electronics Group, customer support line.
Phone: 1-800-268-3404
Email: ceg_customer_support@toshiba.ca

All in-warranty repairs must be made by an authorized TCL service centre.

For service exchange TCL will arrange to have the unit picked up by courier and a replacement unit will be returned via same courier. (Note: A major credit card number will be required as a charge of $25.00 will apply if no fault is found with the unit.)
During the first 3 months of ownership, a new unit will be supplied as a replacement. During the remainder of the warranty period a service-renewed unit will be supplied.
The original "Bill of Sale" must be provided as proof of purchase (it will be returned with the replacement unit.)
This 12-month warranty will be strictly adhered to.
Out of warranty units should be repaired by a TCL authorized service centre.
Note: It is the responsibility of the owner to ensure proper packaging. Should damage in shipping occur, due to poor packaging, a charge back for the repair will result.
This warranty applies to the original purchaser only and is not transferable.
This warranty does not apply to sets that have been subjected to misuse, neglect, accident, physical damage or acts of nature.
Sets with the serial number removed, altered, replaced or defaced will not be covered by this warranty.
The warranties from TCL are effective only if the product is purchased in Canada from an authorized TCL dealer and operated in Canada.
Products utilized for rental or commercial purposes are not covered by this warranty.
This warranty is in lieu of all other warranties, guaranties or agreements, whether expressed or implied, and no person, agent distributor, dealer, service centre or company is authorized to change, modify or extend its terms in any manner whatsoever.

Information sur la garantie Canadienne

Si vous avez besoin de service sur cet appareil au cours le l'année de garantie, Toshiba du Canada Limitée aura l'op tion de réparer ou échanger l'appareil défectueux. Vous devrez suivre la procédure suivante:
Contact: Toshiba du Canada Limitée au Groupe Électronique aux consommateurs, service à la clientèle.
Tél: 1-800-268-3404
Courriel: ceg_customer_support@toshiba.ca

Toutes les réparations au cours de la garantie doivent être faites par un centre de service autorisé Toshiba.

Pour un échange TCL s'assurera qu'un service de courrier ramassera l'unité et qu'un appareil de remplacement soit expédié par le même service de courrier.
(Note: Un numéro de carte de crédit sera requis car une charge de 25,00$ sera appliquée si toutefois l'appareil n'avait aucun problème de fonctionnement.)
Une nouvelle unité sera fournie comme remplacement durant les premiers 3 mois de propriété. Par contre durant la balance de la garantie une unité remise à neuf sera fournie.
La «facture originale doit être fournie comme preuve d'achat (elle vous sera retournée avec l'unité de remplacement.)
Cette garantie de 12 mois sera strictement adhérée.
Les unités hors de garantie devraient être réparées par un centre de service autorisé Toshiba.
Note: C'est la responsabilité du propriétaire de s'assurer que l'emballage est adéquat. Vous serez facturé pour toutes réparations causées par des dommages encourus à cause d'un emballage non adéquat.
Cette garantie est octroyée à l'acheteur initial et n'est pas transférable. Cette garantie ne s'aplique pas aux appareils qui ont été sujets aux abus, négligences, accidents, dommages physiques ou actes naturels.
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Les garanties de TCL sont valides seulement sur les unités sont achetées et utilisées au Canada d'un marchand autorisé TCL.
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Toshiba of Canada Limited 191 McNabb Street Markham, Ontario L3R 8H2

Memo

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